MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTICATION

PRODUCT NAME	Marvel Mystery Oil
PRODUCT CODE	MM003, MM007, MM08, MM010, MM011, MM012R, MM12R, MM013R, MM13R, MM014R, MM14R, MM015, MM016, MM017, MM018, MM613, MM005
CHEMICAL FAMILY	Petroleum Distillates
CHEMICAL NAME	Complex Mixture of Hydrocarbons
FORMULA	Mixture

MANUFACTURER

Marvel Oil Company, Inc
625 Willowbrook Centre Parkway
Willowbrook, IL 60527
Phone: 630-455-3866
Fax: 630-455-3868

EMERGENCY TELEPHONE NUMBERS

Transportation:
CHEMTREC: 800-424-9300
Medical:
ROCKY MTN POISON CTR: 800-332-3073

2. POSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	CONCENTRATION (wt %)
Naphthenic Hydrocarbons	64742-52-5	70 – 80
Mineral Spirits	08052-41-3	20 – 30
Chlorinated Hydrocarbons	00095-50-1	0 – 1

EXPOSURE LIMITS 8 hrs. TWA(ppm)

	OSHA PEL	ACGIH TLV
Naphthenic Hydrocarbons	5 as oil mist	5 as oil mist
Mineral Spirits	100	100
Chlorinated Hydrocarbons	25	25

3. HAZARDS IDENTIFICATION
POTENTIAL HEALTH EFFECTS

INHALATION: Can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration into lungs can cause pneumonitis which can be fatal.

SKIN CONTACT: Prolonged or repeated contact can cause moderated irritation, defatting or dermatitis.

EYE CONTACT: Can cause severe irritation, redness, tearing or blurred vision.

4. FIRST AID MEASURES

EYE: Flush with large amounts of water, lifting upper and lower eyelids occasionally. Get medical attention.

SKIN: Thoroughly was exposed area with soap and water. Remove contaminated clothing. Launder before re-use.

INHALATION: Remove person to fresh air. If breathing difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet. Call a physician.

INGESTION: Do not induce vomiting. Keep person quiet and warm. Get medical attention. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

5. FIRE FIGHTING MEASURES

FLASH POINT: 128 ° F (53 ° C) TCC

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus with full facepiece operated with positive pressure-demand when fighting large fires.

6. ACCIDENTIAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Ventilate area. Remove sources of ignition. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Absorb small amounts on inert material for disposal.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE (MIN./MAX.): -40 ° F (-40 ° C)/ 120 ° F (49 C)

SHELF LIFE: 7 years minimum when the original container is kept tightly closed and properly stored.

SPECIAL SENSITIVITY: None.

HANDLING AND STORAGE PRECAUTIONS: Empty containers may be dangerous since fumes may still exist. Observe precautions given for this product as stated in this document.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION REQUIREMENTS: Splash goggles.

SKIN PROTECTION REQUIREMENTS: Wear chemically resistant gloves.

RESPIRATOR/VENTILATION REQUIREMENTS: Provide sufficient ventilation to avoid exposure levels above the established TLV's.

EXPOSURE LIMITS: Not established for product as whole.

Mineral Spirits	NIOSH	100 ppm TWA
Oil Mist	OSHA	5 mg/m3

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM: Thin liquid

COLOR:	Red
ODOR:	Wintergreen
BOILING POINT:	Not determined
MELT / FREEZE POINT	- 60 ° F (- 51 ° C)
PH:	Not applicable
SOLUBILITY IN WATER:	Insoluble
SPECIFIC GRAVITY:	0.876 @ 60 ° F (15.6 ° C)
% VOLATILE BY WEIGHT:	25 %
VAPOR PRESSURE:	Not determined
VAPOR DENSITY:	Not determined

10. REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Strong oxidizing agents.

DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and hydrocarbons.

11. TOXICOLOGICAL INFORMATION

ACUTE INHALATION: Aspiration into lungs can cause pneumonitis which can be fatal.

CHRONIC INHALATION: Not determined.

ACUTE SKIN CONTACT: Prolonged or repeated contact can cause moderate irritation, defatting or dermatitis.

CHRONIC SKIN CONTACT: Not determined.

ACUTE EYE CONTACT: Can cause severe irritation, redness, tearing or blurred vision.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Ignitable hazardous waste, EPA Hazardous Waste Number D001

WASTE DISPOSAL METHOD: Dispose of product in accordance with all local, state and federal laws and regulations.

14. TRANSPORT INFORMATION

DOT INFORMATION:

PROPER SHIPPING NAME:	Non Bulk Bulk	Consumer Comodity Petroleum distillates, n.o.s.
TECHNICAL SHIPPING NAME:		Fuel and oil additive
HAZARD CLASS:	Non Bulk	Class 3, Flammable Liquid
	Bulk	Class 3, Flammable Liquid
UN NUMBER:		UN 1268
PRODUCT RQ (lbs):		None
LABEL:	Non Bulk	Limited Quantity – PG-III with inner packaging not over 5.0 L(1.3 Gal) and packed in a strong outer package
	Bulk	3, Flammable Liquid, n.o.s., Petroleum Distillates, UN1263
PLACARD:	Non Bulk	Limited Quantity
	Bulk	3, Flammable Liquid, n.o.s., Petroleum Distillates, UN1263
FREIGHT CLASS BULK:		PG III
FREIGHT CLASS PACKAGE:		PG-III
PRODUCT LABEL		**Danger:** Harmful or fatal if Swallowed. Combustible. See Back.

15. **REGULATORY INFORMATION**

TSCA STATUS: All ingredients listed.

CERCLA REPORTABLE QUANTITY: None

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES None

SECTION 311/312 HAZARD CATEGORIES

Acute Health	Yes
Chronic Health	Yes
Fire	Yes
Reactive	No
Sudden Release of Pressure	No

SECTION 313

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Ortho-dichlorobenzene	00095-50-1	0 – 0.25 %

RCRA STATUS: If discarded in its purchased form, this product would be an ignitable waste with an EPA Hazardous Waste Number of D001. However, under RCRA, it is the responsibility of the product

user to determine at the time of disposal, whether a material containing the product should be classified as a hazardous waste. (40CFR261.20-24)

CANADIAN STATUS: All materials contained in this product are listed on the Canadian Domestic Substances List.

EUROPEAN UNION: All materials contained in this product are listed on EINECS.

STATE REGULATORY INFORMATION

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

COMPONENT/ CAS NUMBER	CONCENTRATION	STATE CODE
p-dichlorobenzene	less than 150 ppm	CA 00106-46-7

CA = Material known to the state of California to cause cancer and/or birth defects. (California Proposition 65).

16. OTHER INFORMATION

HMIS CLASSIFICATION	Health	2
	Flammability	2
	Reactivity	0
	PPI	B
NFPA RATING	Health	2
	Fire	2
	Reactivity	0
	Special	None
REASON FOR ISSUE	Limited Quantity Conversion	
PREPARED BY	James P. Heidel	
TITLE	Technical Director	
APPROVAL DATE	December 27, 2012	
SUPERCEDES DATE	July 16, 2012	
REVISION NUMBER	#10	

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